

# WATER and WASTEWATER COMMISSION Lead Strategies Update

Matt Cullen, P.E. | Gary Chauvin

May 5, 2021



# Water and Wastewater Commission Meeting

May 5, 2021

- ◆ EPA's Lead and Copper Rule Revisions
- ◆ AW Compliance - Sampling Results for Lead
- ◆ Lead Service Line Inventory
- ◆ School and Childcare Facility Sampling
- ◆ Lead Webpage and Customer Requested Lead Sampling



# EPA's Lead and Copper Rule Revisions



- ◆ **Goal:** Further reduce exposure to lead in drinking water
- ◆ Final rule issued by EPA on January 15, 2021
- ◆ **Current compliance date for water systems: January 16, 2024**
- ◆ EPA announced that final rule is under review & will seek more public input
  - Compliance deadline may be delayed to **September 16, 2024**



# EPA's Lead and Copper Rule Revisions (continued)

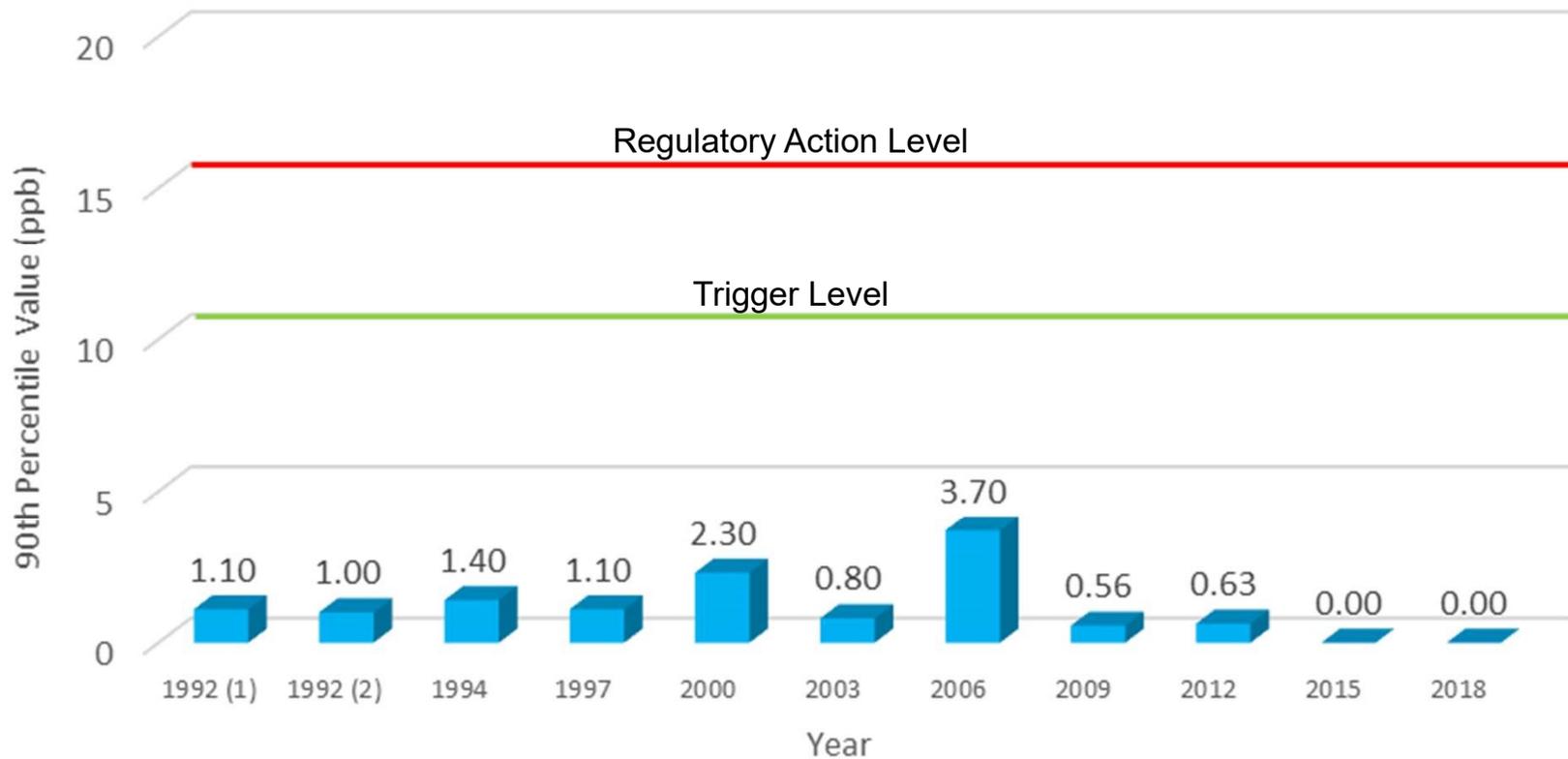


💧 Several major changes from previous rule:

- **Lead Service Line Inventory**
- Lead Service Line Replacement Plan (as applicable)
- **Lead monitoring at schools and childcare facilities**
- New lead “Trigger Level” of 10 parts per billion (ppb)
  - **Lead “Action Level” of 15 ppb is unchanged**
- Possible changes to sample locations for compliance monitoring
- New mandatory language on lead for Annual Water Quality Report



# Lead Compliance Sampling Results



# Lead Service Line Inventory

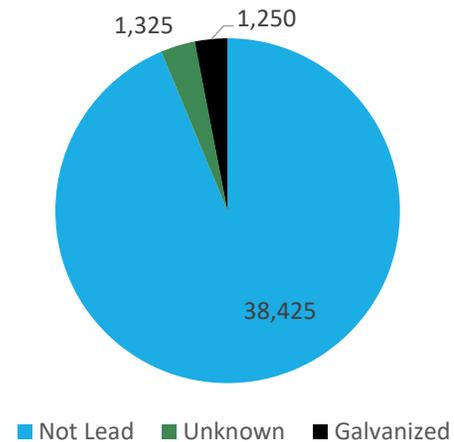
- 💧 Identify water service line materials
  - Includes public & private service line
- 💧 Categorize service line material
  - Lead
  - Galvanized Requiring Replacement
  - Non-lead
  - Lead Status Unknown
- 💧 Complete by January 16, 2024 & submit to TCEQ
- 💧 **AW Goal:** All service lines in “non-lead” category
  - LSL Replacement Plan required as applicable



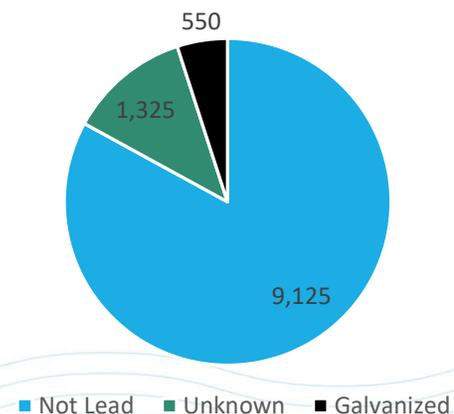
# Lead Service Line Inventory (continued)

- Austin's code allowed lead services on the public side until 1954, on the private side until 1967
- After reviewing all tap cards prior to 1956
  - Not lead – 30,000
  - Unknown – 10,000
  - Galvanized – 1,000
- 9,675 Unknown/Galvanized field inspected so far; 1 lead found
  - No lead detected in pre or post replacement sampling

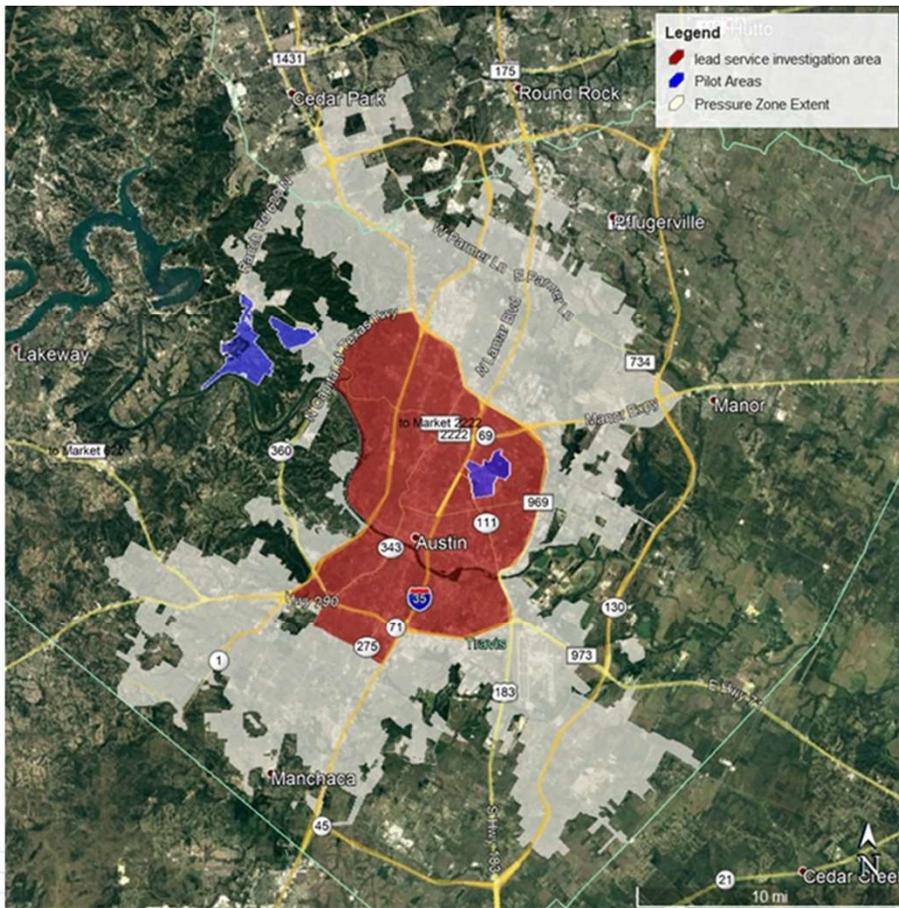
Public Side Materials



Private Side Materials



# Lead Service Line Inventory (continued)



- Area in red is approximate area developed as of 1960
- Red area contains approximately 60,000 meters
  - 40,000 already investigated
- Approximately 190,000 meters outside red area



# School & Child Care Facility Sampling



3Ts for Reducing Lead in Drinking Water  
in Schools and Child Care Facilities  
*A Training, Testing, and Taking Action Approach*  
Revised Manual



- ◆ Applies to all elementary schools & licensed childcare facilities built before 2014
- ◆ One 5-year round of sampling conducted
  - 20% of schools/facilities per year
  - 5 taps per school, 2 taps per childcare facility
  - Upon request thereafter
- ◆ Secondary schools sampled upon request
- ◆ AW provides sampling instructions, bottles, & lab analysis
  - School/facility staff can collect samples
- ◆ EPA's 3Ts for Reducing Lead in Drinking Water Toolkit



# Lead Webpage and Customer Requested Lead Sampling



- AW Lead info page at: [www.austintexas.gov/lead](http://www.austintexas.gov/lead)
- Requested for 21 residences over the last year
  - Two samples at each address
- 20 residences had non-detect results, 1 residence had a detect
  - Detect was 1.9 ppb in first sample, non-detect in second sample
  - Cause of detection is internal plumbing



# Questions?

